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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/552,760		
		Filing Date	April 18, 2000		
		First Named Inventor	Kirk B. Ashby		
		Art Unit	2817		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	049581-P024US-10006096

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
N	A	US-5,861,781-	01-19-1999	Ashby	
	B	US-5,559,468-	09-24-1996	Gailus	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
N	C	-EP 0 948 129 A1-	10-06-1999	Ericsson		
	D	-EP 0 508 741 A2-	10-14-1992	GEC Marconi Ltd		
	E	-EP 0 858 156 A1-	08-12-1998	Matsushita Ltd.		
	F	-EP 0 706 259 A1-	04-10-1996	Linear Modulation Technology		

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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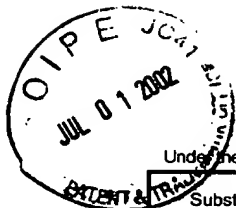
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PO	BA	-DE 19731012 A-	07/18/1997	ROHDE & SCHWARZ GBMH & CO KG		

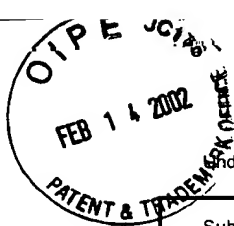
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	CA	Written Opinion issued June 13, 2002 in PCT/US01/12388	

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15	A	4,581,643		Carlson	04-08-1986	
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	G	5,140,198		Atherly et al.	08-18-1992	
	H	5,200,826		Seong	04-06-1993	
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	L	5,563,545		Scheinberg	10-08-1996	
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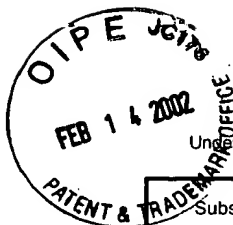
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15	N	Okanobu, Taiwa, Hitoshi Tomiyama, and Hiroshi Arimoto. "Advanced Low Voltage Single Chip Radio IC." IEEE Transactions on Consumer Electronics. Vol. 38 No. 3. (August 1992) 465-475.	
	O	Anadigics, Inc. CATV/TV/CABLE MODEM UPCONVERTER MMIC. Warren NJ (April 22, 1998).	
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	Q	Archer, John, and John Granlund, and Robert E. Mauzy. "A Broad-Band UHF Mixer Exhibiting High Image Rejection over a Multidecade Baseband Frequency Range." IEEE Journal of Solid-State Circuits, Vol. SC-16 No. 4 (August 1981) 385-392.	
	R	"Double-balanced mixer and oscillator" Phillips Semiconductors. (November 7, 1997). 1-11	
	S	Gilbert, Barrie. "Demystifying the Mixer" Analog Devices Inc. (April 1994). 1-58.	
	T	Scheinberg, N., et al. "A GaAs Up Converter Iterated Circuit for a Double Conversion Cable TV "Set-Top" Tuner" International Conference on Consumer Electronics. (June 1993). 108-109.	
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	Z	Ablassmeier, Ulrich, et al. "GaAs FET Upconverter for TV Tuner" IEEE Transactions on Electron Devices, Vol ED-27, No. 6. (June 1980). 1156-1159.	
	AA	Maas, Stephen A. "A GaAs MESFET Mixer with Very Low Intermodulation" IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-35, No. 4. (April 1987). 425-429.	
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	AC	Svelto, F., et al. "A Low-Voltage Topology After CMOS RF Mixers." IEEE Transactions on Consumer Electronics., Vol. 45, No. 2 (May 1999). 299- 309.	
	AD	Gilbert, Barrie. "The MICROMIXER: A highly Linear Variant of the Gilbert Mixer using a Bisymmetric Class-AB Input Stage" IEEE Journal of Solid-State Circuits, Vol. 32, No. 9, (September 1997). 1412-1423.	
	AE	Ducourant, Thierry, et al. "A 3 Chip GaAs Double Conversion TV Tuner System with 70 db Image Rejection." Monolithic Circuits Symposium Digest of Papers. (1988). 87-90.	
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